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(54) Title: TIMELINE PROTECTION

RECEIVE AN ENCRYPTION KEY AND AN IMPLEMENTED ENCRYPTION METHOD

FOR EACH ONE OF A PLURALITY OF FRAMES,
RECEIVE A TIMECODE AND AN ASSOCIATED
PRESENTATION TIME STAMP (PTS) ASSOCIATED WITH THE
ONE FRAME

FOR EACH ONE OF THE PLURALITY OF FRAMES, ENCRYPT THE TIMECODE ASSOCIATED WITH THE ONE FRAME USING THE ENCRYPTION KEY AND THE IMPLEMENTED ENCRYPTION METHOD, THEREBY PRODUCING A PLURALITY OF ENCRYPTED TIMECODES

AT A TIME ASSOCIATED WITH THE ASSOCIATED PTS ASSOCIATED WITH THE ONE FRAME, OUTPUT A PACKETIZED ELEMENTARY STREAM (PES) COMPRISING THE PLURALITY OF ENCRYPTED TIMECODES (57) Abstract: A method and system for timecode generation including: receiving an encryption key and an implemented encryption method, for each one of a plurality of frames, receiving a timecode and an associated presentation time stamp (PTS) associated with the one frame, for each one of the plurality of frames, encrypting the timecode associated with the one frame using the encryption key and the implemented encryption method, thereby producing a plurality of encrypted timecodes, and at a time associated with the associated PTS associated with the one frame, outputting a packetized elementary stream (PES) including the plurality of encrypted timecodes. Related systems and methods are also described.

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